



**Faculty of Computing**

**SECP2523 – DATABASE**

**SEMESTER 1 - 2024/2025**

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**INITIAL SYSTEM PROPOSAL**  
**KKK Online System**

**Group Name:** Tech Hi-Five

**Members:**

- 1. Chua Jia Lin**
- 2. Tan Yi Ya**
- 3. Lam Yoke Yu**
- 4. Teh Ru Qian**
- 5. Goe Jie Ying**

**Stakeholder:**

<b>Representative Name</b>	<b>Date Interviewed</b>
Encik Ahmad	14 Mei 2024

# PROPOSED SYSTEM BACKGROUND

## 1. Introduction

This project proposes the development of a standalone, web-based digital system, “KKK Online System,” to replace the manual processes currently used by Koperasi Kakitangan KADA Kelantan Berhad (KKK). The system aims to streamline key cooperative functions—such as membership application, loan application, application approval, and report generation. The main goal of this project is to digitalise these processes.

## 2. The Existing System

Currently, the cooperative uses a fully manual system to do the cooperative processes such as new member registration, loan application, and applications approval. Using the manual method, applicants need to fill in a physical member application form and loan application form, whereas the cooperative staff need to verify and check the eligibility of the information provided by the applicants manually. After the meeting with the Board of Directors, the cooperative staff will inform the applicants about their application result. Figure 1, Figure 2, and Figure 3 are a few examples of the physical form and documents of the cooperative.

The manual system faced some challenges such as the low work efficiency, high possibility of manual errors, information backup difficulties, and data integrity. Therefore, the cooperative requires an automated system to solve their problems.

Figure 1: Member Application Form

**KOPERASI KAKITANGAN KADA KELANTAN BERHAD**  
PERMOHONAN MENJADI ANGGOTA

NAMA: \_\_\_\_\_ JANTINA: ☐ LELAKI: ☐  
NO. KP: \_\_\_\_\_ PEREMPUAN: ☐  
TARAF PERKAHWINAN: \_\_\_\_\_ AGAMA: ☐ ISLAM ☐ LAIN-LAIN: \_\_\_\_\_  
ALAMAT RUMAH: \_\_\_\_\_ Nyatakan  
POSKOD: \_\_\_\_\_ BANGSA: ☐ MELAYU ☐ LAIN-LAIN: \_\_\_\_\_  
NEGERI: \_\_\_\_\_ Nyatakan  
NO. ANGGOTA: \_\_\_\_\_  
NO. PF: \_\_\_\_\_  
JAWATAN & GRED: \_\_\_\_\_  
ALAMAT PEJABAT: \_\_\_\_\_  
(Tempat Bertugas)  
POSKOD: \_\_\_\_\_  
NO. TEL/FAX: \_\_\_\_\_  
NO. TEL BIMBIT: \_\_\_\_\_  
NO. TEL RUMAH: \_\_\_\_\_  
GAJI BULANAN: RM \_\_\_\_\_

**DAFTAR KELOMPOK KELUARGA**

BIL	HUBUNGAN	NAMA	NO. K/P @ NO. SRT BERANAK

\*JILA BUAT LAMPIRAN JIKA RUANGAN YANG DICEDAHKAN TIDAK MENCUPUTI

**YURAN DAN SUMBANGAN**

JIKA DI TERIMA SEBAGAI ANGGOTA, SAYA BERSETUJU MEMBAYAR YURAN DAN SUMBANGAN BULANAN SEPERTI DI BAWAH :

BIL	PERKARA	RM
1	FEE MASUK	
2	MODAH SYER *	
3	MODAL YURAN	
4	WANG DEPOSIT ANGGOTA	
5	SUMBANGAN TABUNG KEBAIKIKAN (AL-ABRAR)	
6	SIMPANAN TETAP	
7	LAIN-LAIN	

\*MAYASA MODAL SYER ADALAH DIBAYAR RM 500.00 DARI 100% DARI NISBEM 2.5 DARI MODAL SYER KOPERASI DAN MENYALUR DITOLAKKAN DALAM PEMOHON & BUKAN DARI TABUNG KEBAIKIKAN ANGGOTA

Figure 2: Member Financing Application Form

**PERMOHONAN PEMBIAYAAN ANGGOTA**

**BUTIRAN BUTIR PEMBIAYAAN**

JENIS PEMBIAYAAN: ☐ AL-BAI, ☐ BAK PULIH KENDERAAN, ☐ AL-INAH, ☐ CUKAI JALAN, ☐ SYUK KHAS, ☐ LAIN-LAIN. Nyatakan: \_\_\_\_\_

AMALAN DIPONOH: RM \_\_\_\_\_ ANSURAN BULAN: \_\_\_\_\_ TEMPOH PEMBIAYAAN: \_\_\_\_\_ BULAN: \_\_\_\_\_

**BUTIRAN BUTIR KANDIDAT**

NAMA: \_\_\_\_\_ NO. KP: \_\_\_\_\_ JANTINA: ☐ LELAKI, ☐ PEREMPUAN  
 TARIKH LAHIR: \_\_\_\_\_ UMUR: \_\_\_\_\_ AGAMA: ☐ ISLAM, ☐ LAIN-LAIN. Nyatakan: \_\_\_\_\_  
 ALAMAT RUMAH: \_\_\_\_\_  
 NO. ANGGOTA: \_\_\_\_\_  
 NO. PF: \_\_\_\_\_  
 JAWATAN: \_\_\_\_\_  
 ALAMAT PEJASAT (Tempat Bertugas): \_\_\_\_\_  
 NO. TEL. RUMAH: \_\_\_\_\_  
 NO. TEL. BISNIS: \_\_\_\_\_  
 NAMA BANK/ONG: \_\_\_\_\_  
 NO. AKAUN BANK: \_\_\_\_\_

**PERKARAAN PEMOHON**

Saya, \_\_\_\_\_ No. K/P: \_\_\_\_\_ dengan ini memberi kuasa kepada KOPERASI KAKITANGAN KADA KELANTAN BHD atau wakilnya yang sah untuk mendapatkan apa-apa maklumat yang diperlukan dan juga mendapatkan bayaran balik dari penangan gaji dan emolument saya sebagaimana amanah yang dipinjakan. Saya juga bersetuju menerima sebarang keputusan dari KOPERASI ini untuk membatalkan permohonan tanpa memberi sebarang alasan.

Tandatangan: \_\_\_\_\_ Tarikh: \_\_\_\_\_

**BUTIRAN BUTIR PENJAMIN**

PENJAMIN 1: NAMA: \_\_\_\_\_ NO. KP: \_\_\_\_\_ NO. PF: \_\_\_\_\_ NO. ANGGOTA: \_\_\_\_\_  
 PENJAMIN 2: NAMA: \_\_\_\_\_ NO. KP: \_\_\_\_\_ NO. PF: \_\_\_\_\_ NO. ANGGOTA: \_\_\_\_\_

Adalah dengan ini saya/kami dengan nota hati bersetuju bersama-sama atau berasingan bertanggungjawab sepenuhnya ke atas anuran harga barangan atau pembiayaan ini. Kami berjanji akan membayar balik seluruh anuran hutang yang diberikan kepada penjamin di atas jika sekiranya beliau tidak dapat membayar balik anuran itu mengikut perjanjian yang telah dipersetujui.

Tandatangan Penjamin 1: \_\_\_\_\_ No. K/P: \_\_\_\_\_ No. Telefon: \_\_\_\_\_  
 Bertandatangan: \_\_\_\_\_  
 Tandatangan Penjamin 2: \_\_\_\_\_ No. K/P: \_\_\_\_\_ No. Telefon: \_\_\_\_\_  
 Bertandatangan: \_\_\_\_\_

**PENGESAHAN MAJLIS**

Kami mengesahkan bahawa: \_\_\_\_\_ No. K/P: \_\_\_\_\_ telah memberikan butir-butir peribadi dan maklumat pendapatan selaras dengan rekod pekerjaan kakitangan tersebut. Kami juga mengesahkan bahawa kakitangan adalah berjawatan tetap.

Gaji pokok sebulan: RM \_\_\_\_\_  
 Gaji bersih sebulan: RM \_\_\_\_\_

**REKOD BUKU PERBADI**

Tarikh Permohonan diterima: \_\_\_\_\_ Bil. Permohonan: \_\_\_\_\_  
 Jumlah Syer dan Yuran Terkumpul: \_\_\_\_\_  
 Jumlah baki pinjaman sedia ada: \_\_\_\_\_  
 AL-BAI: \_\_\_\_\_ BAK PULIH KENDERAAN: \_\_\_\_\_  
 AL-INAH: \_\_\_\_\_ KARNIVAL MUSIM ISTIMEWA: \_\_\_\_\_  
 SYUK KHAS: \_\_\_\_\_ LAIN-LAIN (Nyatakan): \_\_\_\_\_  
 CUKAI JALAN: \_\_\_\_\_

Jumlah Persekitaran Koperasi: \_\_\_\_\_

Nota: \_\_\_\_\_  
 1. Bilan: \_\_\_\_\_  
 2. Berhijrah: \_\_\_\_\_

Kepuasan: \_\_\_\_\_  
 1. BUKU LULUS: \_\_\_\_\_  
 2. Berhijrah: \_\_\_\_\_

Tandatangan Pengurus Besar: \_\_\_\_\_  
 Tandatangan Pengurus L/K Pemangku: \_\_\_\_\_  
 Bertandatangan: \_\_\_\_\_

Figure 3: Financial Statement Verification Form

**NAMA: MOHD ROSLAN B ISMAIL**  
**NO. K/P: 740807-03-5479**  
**NO. PF: 2273**  
**NO. AHLI: 1579**

Tuan/Puan,

**PENGESAHAN PENYATA KEWANGAN AHLI KOPERASI KAKITANGAN KADA KELANTAN BERHAD BAGI TAHUN BERAKHIR 30 JUN 2023.**

Untuk penentuan Juruaudit, kami dengan ini menyatakan bagi akaun tuan/puan adalah sebagaimana berikut:

**MAKLUMAT SAHAM AHLI:**

Modah Syer:	Modal Yuran:	Simpanan Tetap:	Tabung Anggota:	Simpanan Anggota:
RM	RM	RM	RM	RM

**MAKLUMAT PINJAMAN AHLI:**

Al-Bai:	Al-Innah:	B/Pulih Kenderaan:	Road Tax/Insurans:	Khas:	Al-Qadrol Hassan:
RM0.00	RM0.00	RM0.00	RM0.00	RM0.00	RM0.00

**PENGESAHAN BAGI PENYATA KEWANGAN AHLI KOPERASI KAKITANGAN KADA KELANTAN BERHAD BAGI TAHUN BERAKHIR 30 JUN 2023**

Saya, **MOHD ROSLAN B ISMAIL**, No. Ahli: **1579** mengesahkan bahawa Penyata Kewangan Koperasi Kakitangan KADA Kelantan Berhad bagi tahun berakhir 30 Jun 2023 adalah benar.

Tandatangan: \_\_\_\_\_  
 Tarikh: \_\_\_\_\_

Nota:  
 1. Sila tandakan (✓) di salah satu kotak diatas.  
 2. Sekiranya pihak Koperasi tidak menerima sebarang maklumbalas daripada tuan/puan sehingga 30 Jun 2023, maka pengesahan penyata ini dianggap betul dan tuan/puan bersetuju.

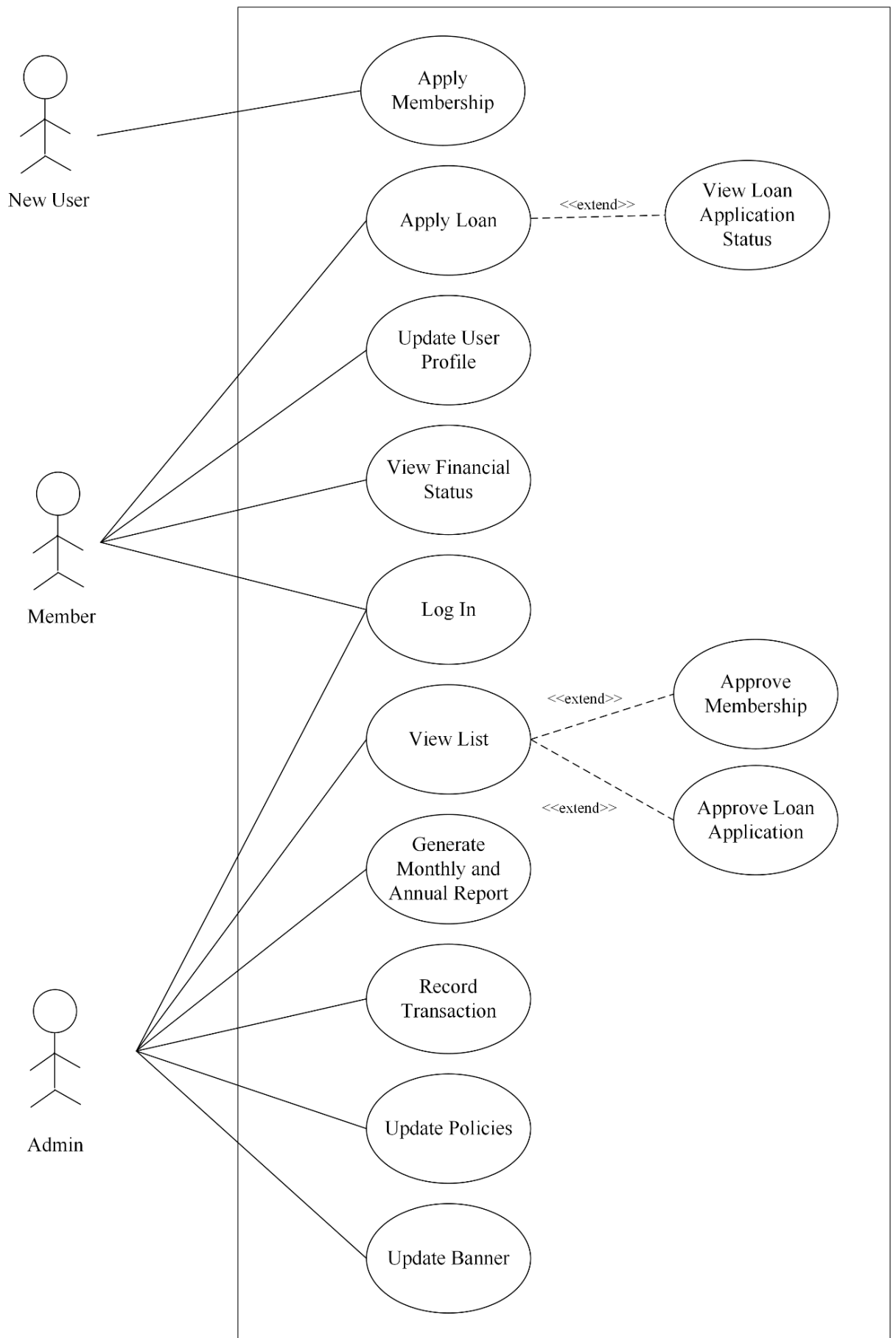
### 3. The Proposed System

The proposed system, namely “KKK Online System” will transform key operations like member registration, loan applications, and financial reporting by replacing manual processes with a digital platform.

Figure 4 shows the use case diagram of the proposed system with 3 user roles, namely “New User”, “Member” and “Admin”

Figure 4 Use Case Diagram of KKK Online System

KKK Online System



**1. Apply Membership**

The employees in KADA can apply to be a member of the KKK cooperative by filling in the online form and upload any required documents. Once their application is approved, the user would be able to log in to the system.

**2. Login**

The cooperative member and the administrator can log in the system by using the correct login credentials. The members will then be directed to the member's page and the administrator will be directed to the administrator's page.

**3. Apply Loan**

The cooperative members can apply for financing services from the cooperative by filling in the online form and upload any required documents. Upon submission, they would be able to see their application status through the system.

**4. Update User Profile**

The cooperative members can update their user personal information, and the family and inheritor information.

**5. View Financial Status**

Upon log in to the system, the cooperative member would be able to view their financial status including the share information (Maklumat Saham Ahli) and the loan information (Maklumat Pinjaman Ahli).

**6. View List**

The administrator would be able to view the list of membership and loan applications as well as the existing members and borrowers. Besides, the admin would be able to update the status of the membership and loan application.

**7. Generate Monthly and Annual Report**

The admin can generate monthly and annual reports that summarise the financial and membership information.

**8. Record Transaction**

After a transaction settled between the stakeholders, the admin would update the transaction in the system to reflect the transaction in the member profile. This includes updating the amount of share capital, funds, contributions and loans.

**9. Update Policies**

The administrator would be able to update policies such as the minimum membership, minimum share capital requirement for loan application, loan interest rate, maximum loan repayment duration and maximum financing amount.

**10. Update Banner**

The administrator can update the website banner. This ensures the sustainability of the system.

In terms of technologies used in designing and developing the system, Figma could be utilised to design the prototype while technologies such as HTML, CSS, JavaScript, PHP and MySQL databases can be used to develop the system.

#### 4. Glossary

Acronyms	Meaning
KKK	Koperasi Kakitangan KADA Kelantan Berhad
KADA	Lembaga Kemajuan Pertanian Kemubu
HTML	HyperText Markup Language
PHP	Hypertext Preprocessor
CSS	Cascading Style Sheets